Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/12/2018 12:03 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126346	1	2.3	126415	2.27
Blue	F	SSC	125000	124350	-1	1.92	125022	1.92
Blue	E	FITC	15760	15708	-1	2.97	339	22.57
Blue	D	PE	25880	25234	-3	2.01	549	16.98
Blue	B	PerCP-Cy5-5	34075	33714	-2	4.34	1025	23.23
Blue	A	PE-Cy7	22776	22951	0	7.65	550	45.91
Red	C	APC	42488	41664	-2	2.86	1566	13.79
Red	A	APC-Cy7	24478	23818	-3	2.95	815	13.15
Violet	B	V450	6304	6142	-3	4.23	342	18.23
Violet	A	V500	26005	24608	-6	3.79	577	13.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20924	10.81	612	15	N/A	N/A	Pass
Blue	F	SSC	56301	1.3	583	28	N/A	N/A	Pass
Blue	E	FITC	60	75.85	566	10	0.0159	241	Pass
Blue	D	PE	114	57.86	559	10	0.1216	278	Pass
Blue	B	PerCP-Cy5-5	194	56.53	661	14	0.0071	69	Pass
Blue	A	PE-Cy7	107	115.53	716	19	0.0090	32	Pass
Red	C	APC	365	29.36	607	7	0.0186	134	Pass
Red	A	APC-Cy7	200	28.95	577	6	0.0046	960	Pass
Violet	B	V450	53	85.83	500	11	0.0253	2292	Pass
Violet	A	V500	85	48.88	515	9	0.0114	1046	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.81	-31.08	0.94
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	15.13	13.60 - 20.40	N/A	N/A	30.89	31.46	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12244

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments